

Substitute for form 1449/PTO

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Sheet	1	of	4
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Complete if Known

Application Number	10/566,625
Filing Date	2 November 2006
First Named Inventor	Klaus, Stephen J.
Art Unit	1645
Examiner Name	Ogunbiyi, Oluwatosin A.
Attorney Docket Number	FP0617 US

U. S. PATENT DOCUMENTS

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		Country Code* Number * Kind Code* (if known)	MM-DD-YYYY			
/OO/	BA	WO 01/12784 - A I	02-22-2001	New England Med Ctr Hospital		

Examiner Signature	/Oluwatosin Ogunbiyi/	Date Considered	12/29/2008
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/OO/	CA	ARAVIND, L., ET AL., "The DNA-Repair Protein AlkB, EGL-9, and Leprean Define New Families of 2-Oxoglutarate- and Iron-Dependent Dioxygenases" Genome Biol (2001) 2(3):1-8	
/OO/	CB	BRUICK, R.K., et al., "A Conserved Family of Prolyl-4-Hydroxylases That Modify HIF" Science (2001) 294(5545):1337-1340	
/OO/	CC	CONSTANTOULAKIS, P., et al., "Alpha-Amino-N-Butyric Acid Stimulates Fetal Hemoglobin in the Adult" Blood (1988) 72(6):1961-1967	
/OO/	CD	DUNCAN, T., et al., "Reversal of DNA Alkylation Damage by Two Human Dioxygenases" Proc Natl Acad Sci USA (2002) 99(26):16660-16665	
/OO/	CE	DUPUY, D., et al., "Mapping, Characterization, and Expression Analysis of the SM-20 Human Homologue, C1orf12, and Identification of a Novel Related Gene, SCAND2" Genomics (2000) 69(3):348-354	
/OO/	CF	EPSTEIN, A.C., et al., "C. Elegans Egl-9 And Mammalian Homologs Define a Family of Dioxygenases That Regulate HIF by Prolyl Hydroxylation" Cell (2001) 107(1):43-54	
/OO/	CG	FIBACH, E., et al., "Proliferation and Maturation of Human Erythroid Progenitors in Liquid Culture" Blood (1989) 73(1):100-103	
/OO/	CH	HEWITSON, K.S., et al., "Hypoxia-Inducible Factor (HIF) Asparagine Hydroxylase is Identical To Factor Inhibiting HIF (FIH) and is Related To the Cupin Structural Family" J Biol Chem (2002) 277(29):26351-26355	
/OO/	CI	HUANG, J., et al., "Sequence Determinants of Hypoxia-Inducible Factor-1alpha for Hydroxylation by the Prolyl Hydroxylases PHD1, PHD2, and PHD3" J Biol Chem (2002) 277(42):39792-39800	
/OO/	CJ	IVAN, M., et al., "HIF-Alpha Targeted for VHL-Mediated Destruction by Proline Hydroxylation: Implications for O2 Sensing" Science (2001) 292(5516):464-468	

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/OO/	CK	JIA, S., et al., "A Fully Active Catalytic Domain of Bovine Aspartyl (Asparaginyl) Beta-Hydroxylase Expressed in Escherichia Coli: Characterization and Evidence for the Identification of an Active-Site Region in Vertebrate Alpha-Ketoglutarate-Dependent Dioxygenases" Proc Natl Acad Sci USA (1994) 91(15):7227-7231	
/OO/	CL	JIANG, B.H., et al., "Transactivation and Inhibitory Domains of Hypoxia-Inducible Factor 1alpha Modulation of Transcriptional Activity by Oxygen Tension" J Biol Chem (1997) 272(31):19253-19260	
/OO/	CM	LANDO, D., et al., "FIH-1 is an Asparaginyl Hydroxylase Enzyme That Regulates the Transcriptional Activity of Hypoxia-Inducible Factor" Genes Dev (2002) 16(12):1466-71	
/OO/	CN	LANDO, D., et al., "Asparagine Hydroxylation of the HIF Transactivation Domain a Hypoxic Switch" Science (2002) 295(5556):858-861	
/OO/	CO	LEDER, A., et al., "Butyric Acid, a Potent Inducer of Erythroid Differentiation in Cultured Erythroleukemic Cells" Cell (1975) 5(3):319-22	
/OO/	CP	LEY, T.J., et al., "5-Azacytidine Selectively Increases Gamma-Globin Synthesis in a Patient With Beta-Thalassemia" N Engl J Med (1982) 307(24):1469-1475	
/OO/	CQ	MAHON, P.C., et al., "FIH-1: A Novel Protein That Interacts With HIF-1alpha and VHL To Mediate Repression of HIF-1 Transcriptional Activity" Genes Dev (2001) 15(20):2675-2686	
/OO/	CR	MCDONAGH, K.T., et al., "Hydroxyurea-Induced HbF Production in Anemic Primates: Augmentation by Erythropoietin, Hematopoietic Growth Factors, and Sodium Butyrate" Exp Hematol (1992) 20(10):1156-1164	
/OO/	CS	MYLLYHARJU, J., et al., "Characterization of the Iron- and 2-Oxoglutarate-Binding Sites of Human Prolyl 4-Hydroxylase" EMBO J (1997) 16(6):1173-1180	
/OO/	CT	NEWMARK, H.L., et al., "Butyrate as a Differentiating Agent: Pharmacokinetics, Analogues and Current Status" Cancer Lett (1994) 78(1-3):1-5	

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STATEMENT BY APPLICANT**

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/OO/	CU	PERRINE, S.P., et al., "Butyric Acid Analogues Augment Gamma Globin Gene Expression in Neonatal Erythroid Progenitors" Biochem Biophys Res Commun (1987) 148(2):694-700	
/OO/	CV	PERRINE, S.P., et al., "Delay in the Fetal Globin Switch in Infants of Diabetic Mothers." N Engl J Med (1985) 312(6):334-338	
/OO/	CW	SRINIVAS, V., et al., "Characterization of an Oxygen/Redox-Dependent Degradation Domain of Hypoxia-Inducible Factor Alpha (HIF-Alpha) Proteins" Biochem Biophys Res Commun (1999) 260(2): 557-561	
/OO/	CX	TANIMOTO, K., et al., "Mechanism of Regulation of the Hypoxia-Inducible Factor-1 Alpha by the Von Hippel-Lindau Tumor Suppressor Protein" EMBO J (2000) 19(16):4298-4309	
/OO/	CY	TAYLOR, M.S., "Characterization and Comparative Analysis of the EGLN Gene Family" Gene (2001) 275(1):125-132	
/OO/	CZ	THORNBURG, L.D., et al., "A Non-Heme Iron Protein With Heme Tendencies: An Investigation of the Substrate Specificity of Thymine Hydroxylase" Biochem (1993) 32(50):14023-14033	
/OO/	DA	TORREALBA-DE RON, A.T., et al., "Perturbations in the Erythroid Marrow Progenitor Cell Pools May Play a Role in the Augmentation of HbF by 5-Azacytidine" Blood (1984) 63(1):201-210	
/OO/	DB	WILSON, J.B., et al., "A New High-Performance Liquid Chromatographic Procedure for the Separation and Quantitation of Various Hemoglobin Variants in Adults and Newborn Babies" J Lab Clin Med (1983) 102(2):174-186	

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